

SITI AESAH @ NAZNIN MUHAMMAD



- KULLIYAH OF MEDICINE
- IIUM Kuantan Campus
- Email address:
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ACADEMIC QUALIFICATION

- Master of Pathology- Haematology
- Medical Doctor

TEACHING RESPONSIBILITIES

BASIC GENERAL SURGERY POSTING	2013/2014
BODY REACTION TO PHYSICAL, CHEMICAL & BIOLOGICAL AGENTS	2010/2011 2014/2015 2015/2016 2017/2018
CARDIOVASCULAR, RESPIRATORY, BLOOD AND BLOOD FORMING ORGANS	2011/2012 2012/2013 2013/2014 2014/2015 2016/2017 2017/2018 2018/2019
NORMAL RESPONSE & PROCESS TO DISEASED STATE	2011/2012 2014/2015 2016/2017 2017/2018 2018/2019
NORMAL STRUCTURE & FUNCTION OF THE HUMAN CELL, TISSUE & BODY SYSTEM	2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2017/2018 2018/2019
THE ALIMENTARY AND HEPATOBILIARY SYSTEMS	2011/2012 2012/2013 2014/2015 2016/2017 2017/2018 2018/2019
THE ENDOCRINE, REPRODUCTIVE URINARY SYSTEMS	2014/2015 2015/2016 2018/2019
THE LOCOMOTOR AND NERVOUS SYSTEMS	2010/2011 2014/2015 2015/2016 2017/2018
TRANSFUSION SCIENCE & BLOOD BANKING	2014/2015

RESEARCH PROJECTS

In Progress

2018 - Present Molecular Approach Of Attenuation Of Non-Alcoholic Steatohepatitis With Tualang Honey Supplementation In Animal Model

2015 - Present Molecular Mechanism of Tualang honey on 12% Cholesterol diet induced nonalcoholic steatohepatitis (NASH) animal model

Completed

2015 - 2018 Molecular Mechanism of Tualang honey on 12% Cholesterol diet induced nonalcoholic steatohepatitis (NASH) animal model

- 2014 - 2017** The Effects of Tualang Honey on Non-Alcoholic Steatohepatitis in rat Model
- 2014 - 2018** Immunoprotective Effect of Virgin Coconut Oil Against Cyclophosphamide-induced Histological Changes in Lymphoid Tissues
- 2014 - 2017** Paraoxonase-1 (PON-1) and Hepatotoxicity: Bridging the Gap in the Mechanism of Atherosclerosis in Chronic Organic Arsenic Exposure
- 2012 - -1** Study On Molecular Diagnostic Method of Synovial Sarcoma
- 2012 - 2015** Study On Molecular Diagnostic Method of Synovial Sarcoma
- 2011 - 2014** Validation of Potential Markers in Cardiovascular Research
- 2011 - 2015** RU 2011 -Retention of basic sciences knowledge in medical student of clinical years.
- 2011 - 2013** (RU2011) Applying the 'Case Method' in the teaching of Basic Medical Science in a Medical curriculum
- 2011 - 2014** RU 2011 -MYC and BLC2 Gene expression in Burkitt Lymphoma and diffuse large B-cell lymphoma
- 2008 - 2011** Psychosocial Problems of Patients with Thalassaemia and Their Families: A Quantitative Study
- 2008 - -1** A Cytogenetic and Clinical Profile of Children with Austinm in Kuantan, Pahang
- 2004 - 2007** Establishment of Research Methods and Protocols in Our Proposed Cyntogenetics in the Laborartory of the Kulliyyah of Medicine

PUBLICATIONS

Article

- 2019** [Non-alcoholic steatohepatitis animal model induction.](#) World Journal of Pharmacy and Pharmaceutical Sciences , 8 (4) pp.1523-1538
- 2019** [The effect of flaxseed extract on skin elasticity of the healing wound in rabbits.](#) The International Medical Journal Malaysia , 18 (1) pp.5-12
- 2018** [Protective effect of virgin coconut oil on cyclophosphamide-induced histological changes in lymphoid tissues.](#) International Medical Journal Malaysia , 17 (3) pp.65-74
- 2018** [Early effects of high cholesterol diet on the kidney of an animal model.](#) PONTE , 74 (3/1) pp.168-178
- 2018** [The effect of flaxseed extract on skin elasticity of the healing wound in rabbit.](#) Asian Journal of Medicine and Biomedicine , Supplementary 3 pp.109
- 2018** [Tualang honey effects on high cholesterol diet induced nonalcoholic steatohepatitis in an animal model.](#) World Journal Of Pharmacy And Pharmaceutical Sciences , 7 (2) pp.1383-1396

- 2018** [The expression of microrna-744 \(MIR-744\) in nasopharyngeal carcinoma: a preliminary study.](#) International Journal of Allied Health Sciences , 2 (1) pp.191-203
- 2018** [Red cell antibody screening: a single centre experience.](#) International Medical Journal Malaysia , 17 (Supplementary Issue No 1) pp.33-33
- 2017** [Renoprotective role of tualang honey against high cholesterol diet induced acute kidney diseases in an animal model.](#) Journal of Applied Pharmaceutical Science , 7 (12) pp.97-101
- 2017** [MGMT and SPOCK2 promoter methylation in diffuse large B-Cell lymphoma: a study in two tertiary health centres in the East Coast of Malaysia = Metilasi promoter MGMT dan SPOCK2 dalam diffuse large B-cell lymphoma: satu kajian yang dijalankan di dua pusat Kesihatan di Pantai Timur Malaysia.](#) Malaysian Journal of Health Sciences , 15 (2) pp.77-82
- 2017** [p16 tumor suppressor gene methylation in diffuse large B cell lymphoma: a study of 88 cases at two hospitals in the East Coast of Malaysia.](#) Asian Pacific Journal of Cancer Prevention , 18 (10) pp.2781-2785
- 2017** [Early effects of high cholesterol diet on the kidney of an animal model.](#) International Medical Journal Malaysia (IMJM) , 16 (supp. 1) pp.20
- 2017** [Renoprotective role of tualang honey against high cholesterol diet induced acute kidney diseases in an animal model.](#) International Medical Journal Malaysia (IMJM) , 16 (supp. 1) pp.26
- 2016** [Organic arsenical exposures stimulates atherosclerosis through oxidative stress increase and adhesion molecule expression.](#) Journal of Applied Pharmaceutical Science , 6 (11) pp.040-051
- 2016** [Detection of SYT-SSX mutant transcripts in formalin-fixed paraffin-embedded sarcoma tissues using one-step reverse transcriptase real-time PCR.](#) The Malaysian Journal of Pathology , 38 (1) pp.11-18
- 2016** [Clinical and cytogenetic profiles of children with autism in Kuantan Pahang.](#) International Medical Journal Malaysia , 15 pp.56-56
- 2016** [Misconceptions about disease among parents of thalassaemic patients: A qualitative study.](#) International Medical Journal Malaysia , 15 (Supplement Issue) pp.96-96
- 2016** [Pyrosequencing-based quantitative identification of p16 methylation in diffuse large b-cell lymphoma at two centres in the east coast of malaysia.](#) Journal of Biomedical and Clinical Sciences , 1 (1) pp.12-17
- 2015** [Atherosclerosis in chronic organic arsenic \(monosodium methylarsonate\) exposure.](#) The Malaysian Journal of Pathology , 37 (2) pp.188-188
- 2014** [Inherited anti-thrombin deficiency in a Malay-Malaysian family: a missense mutation at nucleotide g.13267C>A aka anti-thrombin Budapest 5 \(p.Pro439Thr\) of the SERPINC 1 gene.](#) The Medical Journal of Malaysia , 69 (1) pp.27-30
- 2012** [Paraoxonase-1 \(PON1\) activity in serum and various anticoagulated-plasma .](#) The Malaysian Journal of Pathology , 34 (2) pp.216-216

- 2011 [Screening for thalassaemia among group of students of a higher institution – our experience.](#) International Medical Journal Malaysia , 10 (1) pp.3-6
- 2011 [Thalassaemia : a study on the perception of patients and family members.](#) Medical Journal of Malaysia , 66 (4) pp.326-334
- 2011 [Thalassaemia: A study on the perception of patients and family members.](#) Medical Journal of Malaysia , 66 (4) pp.326-334
- 2010 [Problem-based learning as viewed by medical students in a non-problem based medical curriculum.](#) Medical Education , 44 (Supp 1) pp.6
- 2010 [A descriptive study of blood films of patients serologically positive for dengue in Hospital Tengku Ampuan Afzan, Kuantan.](#) International Medical Journal Malaysia , 9 (2) pp.35-37
- 2008 [The impact of the teaching of ethics in a medical and allied health sciences curriculum in International Islamic University Malaysia.](#) International Medical Journal Malaysia , 7 (1)
- 2008 [The impact of the teaching of rthics in a Medical and Allied Health Sciences curriculum in International Islamic University Malaysia.](#) International Medical Journal Malaysia , 7 (1)

Conference or Workshop Item

- 2018 [The effect of flaxseed extraction on skin elasticity of the healing wound in rabbit.](#) **In: 3rd ASEAN Congress on Medical Biotechnology and Molecular Biosciences**
- 2017 [Analysis of sample rejection at newly established pathology laboratory of the International Islamic University Malaysia Medical Centre \(IIUMMC\).](#) **In: 27th MACB Conference**
- 2016 [Nigella sativa oil extracts improves dyslipidaemia in high fat diet \(HFD\) animal model.](#) **In: Medical Research Symposium & Pacific Partnership**
- 2016 [Tualang honey improves non alcoholic steatohepatitis animal model.](#) **In: Medical Research Symposium & Pacific Partnership**
- 2016 [Effects of serum stored at various temperature and freeze-thaw cycles on selected biochemical parameters.](#) **In: Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**
- 2016 [Nigella sativa oil extracts improves dyslipidaemia in high fat diet \(HFD\) animal model.](#) **In: Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**
- 2016 [Tualang honey improves non alcoholic steatohepatitis animal model.](#) **In: Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**
- 2016 [Methylation status of MGMT and SPOCK2 in diffuse large B-cell lymphoma.](#) **In: 3rd Pan Asian Biomedical Science Conference**
- 2016 [Epigenetic methylation status of P16, MGMT and SPOCK2 in diffuse Large B cell lymphoma.](#) **In: Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**

- 2015 [Chronic Monosodium Methylarsonate \(MSMA\) exposure induces oxidation of Low Density Lipoprotein \(LDL\) and early atherosclerosis development.](#) In: **International Conference on Advancement in Science and Technology (iCAST 2015) - 'Frontiers in Biotechnology'**
- 2014 [Academic stress and coping strategies of first year IIUM medical students.](#) In: **International Research, Invention and Innovation Exhibition 2014 (IRIIE2014)**
- 2013 [Retention of knowledge in preclinical disciplines by clinical students in the IIUM medical programme.](#) In: **8th International Medical Education Conference**
- 2013 [Retention of Knowledge in Preclinical Disciplines by Clinical Students in the IIUM Medical Programme.](#) In: **IIUM Research, Invention and Innovation Exhibition, IRIIE 2013**
- 2013 ["Case Method" in the teaching of disciplines in Basic Medical Sciences in IIUM .](#) In: **8th International Medical Education Conference**
- 2012 [Preliminary analyses on detection of SYT-SSX fusion-transcripts in Synovial Sarcoma.](#) In: **11th Annual Scientific Meeting, College of Pathologist Malaysia**
- 2012 [Paraoxonase-1 \(PON1\) activity in serum and various anticoagulated-plasma .](#) In: **11th Annual Scientific Meeting, College of Pathologist**
- 2011 [Thalassaemia: a study on the perception of patients and family members.](#) In: **12th International Conference on Thalassaemia and the Haemoglobinopathies 14th TIF International Conference for Patients and Parents**
- 2011 [Thalassaemia management: patients' and family members' perspectives.](#) In: **9th Malaysian National Haematology Scientific Meeting**
- 2010 [Academician's knowledge and perception towards 'One Best Answer \(OBA\)-Type' multiple choice questions implementation in IIUM, medical faculty curriculum.](#) In: **7th Asia Pacific Medical Education Conference (APMEC)**
- 2010 [Academician's knowledge and perception towards 'one best answer \(OBA\)-type' multiple choice questions implementation in IIUM, medical faculty curriculum \(Poster presentation\).](#) In: **7th Asia Pacific Medical Education Conference (APMEC)**
- 2009 [A survey on perception and knowledge of transfusion medicine among final year medical students.](#) In: **4th National Transfusion Medicine Conference**
- 2009 [A review of transfusion reaction reports for the year 2008.](#) In: **4th National Transfusion Medicine Conference 2009**
- Book**
- 2017 [Effect of Tualang honey in acute kidney injury animal model.](#) Lap Lambert Academic Publishing . ISBN 9783330070318
- 2017 [Effect of tualang honey on non-alcoholic steatohepatitis rat model.](#) LAP Lambert Academic Publishing . ISBN 978-3-330-32112-0
- 2014 [Multiple true or false questions in haematology & pathology for health sciences undergraduates.](#) IIUM Press . ISBN 9789674183103

Book Section

- 2018** [Core of medicine: pathology.](#) In: **Introduction to basic medical sciences: anatomy, biochemistry, physiology, microbiology, parasitology, pathology and pharmacology** IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-484-1 , pp.92-104
- 2009** [Establishment of research methods and protocols in cytogenetic laboratory of the Kulliyah of Medicine, IIUM.](#) In: **Proceedings of the seminar on research findings 2008** IIUM Press . ISBN 9789833855780 , pp.455-461